

Abarna_day90

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#include <stdio.h>
#include <stdlib.h>
#include <string.h>

void lexicographically_smallest_string(int N, int P, char *S) {
    int freq[26] = {0};
    for (int i = 0; i < N; i++) {
        freq[S[i] - 'a']++;
    }

    char result[N + 1];
    result[N] = '\0';
    int index = 0;
    for (int i = 0; i < 26; i++) {
        while (freq[i] > 0 && P >= 2) {
            result[index++] = 'a';
            freq[i]--;
            P -= 2;
        }
    }

    for (int i = 0; i < 26; i++) {
        while (freq[i] > 0) {
            result[index++] = i + 'a';
            freq[i]--;
        }
    }

    printf("%s\n", result);
}

int main() {
    int T;
    scanf("%d", &T);

    while (T--) {
        int N, P;
        scanf("%d %d", &N, &P);
        char S[N + 1];
        scanf("%s", S);

        lexicographically_smallest_string(N, P, S);
    }

    return 0;
}
```

